

Title (en)
MOLTEN METAL FILTRATION

Title (de)
FILTRATION SCHMELZFLÜSSIGER METALLE

Title (fr)
FILTRATION DE METAL FONDU

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Abstract (en)
[origin: WO9928273A1] Molten metal is filtered using a filter (10, 28, 44) comprising a porous carbon foam substrate coated substantially throughout with a refractory metal or refractory compound formed by chemical vapour deposition, and having a filtration porosity of less than 90 %, and preferably at least 75 %, and a ligament solid fraction at least 0.95, using apparatus comprising a holding vessel (1, 21, 40) having an inlet (2, 41) and an outlet (3, 22, 42) for the molten metal, at least one filter housing, the or each housing containing a filter (10, 28, 44), means for holding and sealing the filter or filters (10, 28, 44) in place, and means (5, 38) for preheating the holding vessel (1, 21, 40) and the filter or filters (10, 28, 44) prior to using the apparatus for filtering molten metal.

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